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·	DECLARATION		Attorney Docket Numb	per 1133			120 01 141	<u> </u>
	UTILITY OR DE		First Named Invento	r Charles	Robert K	almanek J	r.	
	PATENT APPLICA	ATION		COMPLETE	IF KNOWN			
. 🗆	Declaration 🔀 [Declaration	Application Number	09/345	121			
		submitted after nitial Filing	Filing Date	07/06/	1999			
	Filing		Group Art Unit					
			Examiner Name					
My re	ve I am the original, first and s	, and citizenship are	e as stated below next to my n one name is listed below) or an o	riginal, first and joi	nt inventor (if plu	ral names are	listed belo	w) of the
			Routing Over Large					
			(Title of Invention)					
the sp	ecification of which							
l 🗀 i	s attached hereto							
	OR .	•						
Ø,	was filed on 07/06/1999	as United States Ap	oplication Number or PCT Interna	ational				
- /	Application Number 09/345	5121	and was amended on	(if applicable).			
	by state that I have reviewed ically referred to above.	and understand the	contents of the above identified	specification, inch	uding the claims	, as amended	by any am	endmen
i ackr	lowledge the duty to disclose i	Information which is	material to patentability as define	ed in Title 37 Code	of Federal Regu	lations,§ 1.56.		
I here certifi have	by claim foreign priority beneate, or § 365(a) of any PCT	efits under Title 35, international applications the box, any fo	United States Code § 119 (a)-(tion which designated at least or preign application for patent or in	(d) or § 365(b) of	any foreign app an the United St	lication(s) for plates of Americ	a. listed b	elow and
	rior Foreign Application		Country	Fo	reign Filing	Priority	Certifie	d C py
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	Additional foreign application	numbers are listed	on a supplemental priority data s	heet PTO/SB/02B	attached hereto			
I her	eby claim the benefit under 35	U.S.C. 119(e) of an	y United States provisional appli	cation(s) below.				
	Application Number	(s) Fil	ing Date(MM/DD/YYYY)					
					visional applicati priority data she			
SEND	TO: Assistant Commissioner	for Patents, Box Pate	ent Application, Washington, D.C	20231				

DECLARATION - Utility	or Design Pat	nt Application

	nefit under 35 U.S.C. 120 of any United Sta the subject matter of each of the claims of 1 of 35 U.S.C. 112, I acknowledge the duty e of the prior application and the national or	uns application is not dis to disclose information	which is material to patentability a	35 GOMAGO EN G. G	
U.S. Parent	Application or PCT Parent	Parent Filir	ig Date	Parent Patent Number	
	Number	(MM/DD/)	<u>m</u>	(if applica	ible)
La	6. or PCT International application numbers				A Mile profite flore for
As a named invent make alterations a	tor, I hereby appoint the following regis and amendments therein, to receive the	e patent, and to transa	ct all business in the Patent ar	nd revocation, to prose ad Trademark Office c	onnected therewith:
Customer N	umber		storner Number Bar de Label here		
OR					
Registered (practitioner(s) name/registration number liste				Doctordad
	Name	Registration Number		ame	Registration Number
CONOVER, Mi	ichele L.	34962	DE LA ROSA, Jose	R.	34810
DWORETSKY,	Samuel H.	27873	LEE, Benjamin S.	_	42787
LEVY, Rober		28234	RESTAINO, Thomas	Α.	33444
STEINMETZ,		22971			
I also appoint	t the following additional registered practition secute said application, to make alterations	ner(s) named on the supp and amendments therein	lemental Registered Practitioner In and to transact all business in the	formation sheet PTO/SB/ Patent and Trademark O	/02C attached hereto with full office connected therewith.
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	Samuel H. Dworetsky				
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CITY	Middletown		ATE New Jersey	ZIP CODE FAX	732-368-6932
COUNTRY	United States of Ameri		all eleteracin made on information		
44	at all statements made herein of my own kno ere made with the knowledge that willful fals atements may jeopardize the validity of the a		SO HEROC GIO PURISINO OF THE OF	imprisonment, or both, u	inder 18 U.S.C. 1001 and that
Name of Sole	e or First Inventor	A pe	etition has been filed for t	this unsigned inve	entor
Nam	Charles Robert Kalma	nek Jr.			
Signatu		+ felmane	e p	Date	<u>। प्राप्त</u>
Citizenship United States					
Citizensh	1) 86 Great Hills Road				
Address (line	<u>'/ </u>				
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Address (line	2) Short Hills				
Address (line	2) Short Hills 3) Essex County				
Address (line Address (line Address (line	2) Short Hills 3) Essex County 4) New Jersey				
Address (line Address (line Address (line Address (line	2) Short Hills 3) Essex County 4) New Jersey 5) USA				

·	DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page f
Name of Additi	onal J int Invent r, if any:	Ap	etition has been filed for this unsigned inventor
Name	Anthony G Lauck		
Signature			Date
Citizenship	United States		
Address (line 1)	Southface 5		
Address (line 2)	Warren		
Address (line 3)	Washington County		
Address (line 4)	Vermont		
Address (line 5)	USA		
Zip Code	05674		
Name of Additi	onal Joint Inventor, if any:	Ap	etition has been filed for this unsigned inventor
Name	Kadangode K. Ramakrishnan		
Signature	Koaha		Date Oct 18, 1999
Citizenship	India United States"	\mathscr{K}	
Address (line 1)	9 Highland Circle		
Address (line 2)	Berkeley Heights		
Address (line 3)	Union County		
Address (line 4)	New Jersey		
Address (line 5)	USA		
Zip Code	07922		
Name of Additi	onal Joint Inventor, if any:	A p	etition has been filed for this unsigned inventor
Name			
Signature			Date
Citizenship			
Address (line 1)		· 	
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Address (line 5)			
Zip Code			
Name of Additi	onal Joint Inventor, if any:	_ Ap	etition has been filed for this unsigned inventor
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Signature			Date
Citizenship			
Address (line 1)			
Address (line 2)			
Address (line 3)			
Address (line 4)			
Address (line 5)			
Zip Code	Commissioner for Dataste, Boy Datast Applica	70 - 140 - 1	

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	DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Pag f
Name f Additi	nai J int invent r, if any:	etition has been filed for this unsigned inventor
Name	Anthony G Lauck	
Signature	antiny Is. Sauck	Date 10/26/99
Citizenship	United States	
Address (line 1)	Southface 5	
Address (line 2)	Warren	
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Address (line 4)	Vermont	
Address (line 5)	USA	
Zip Code	05674	
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Name	Kadangode K. Ramakrishnan	
Signature		Date
Citizenship	India	
Address (line 1)	9 Highland Circle	
Address (line 2)	Berkeley Heights	
Address (line 3)	Union County	
Address (line 4)	New Jersey	
Address (line 5)	USA	
Zip Code	07922	
Name of Additi	onal Joint Inventor, if any:	etition has been filed for this unsigned inventor
Name		
Signature		Date
Citizenship		
Address (line 1)		
Address (line 2)		
Address (line 3)		
Address (line 4)		
Address (line 5)		
Zip Code		
	onal Joint Inventor, if any:	etition has been filed for this unsigned inventor
Name		
Signature		Date
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SAMUEL H. DWORETSKY
P.O. BOX 4110
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FEBRUARY 03, 2000

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KALMANEK, CHARLES ROBERT, JR.

DOC DATE: 10/18/1999

ASSIGNOR:

LAUCK, ANTHONY G

DOC DATE: 10/26/1999

ASSIGNOR:

RAMAKRISHNAN, KADANGODE K.

DOC DATE: 10/18/1999

ASSIGNEE:

AT&T CORP.

32 AVENUE OF THE AMERICAS NEW YORK, NEW YORK 10013-2412

SERIAL NUMBER: PATENT NUMBER:

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NAME Samuel H. Dworetsky		
ADDRESS AT&T CORP. P.O. Box 4110		
COUNTRY LOS CONTRACTOR OF THE C	7748-4110	
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Deposit Account Number: 01-2745		
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Name (line 1)				Execution Date MMDDYYYY		
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Name (line 1)				Execution Date MMDDYYYY		
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	City, State/Country Zip Code			document from Assignment.)		
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ASSIGNMENT AND AGREEMENT

For value received, each of the undersigned, Charles Robert Kalmanek Jr. of Short Hills in the County of Essex County and State of New Jersey, Anthony G Lauck of Warren in the County of Washington County and State of Vermont, and Kadangode K. Ramakrishnan of Berkeley Heights in the County of Union County and State of New Jersey, hereby sells, assigns and transfers to AT&T Corp., a corporation of the State of New York, having an office at AT&T Corp., 32 Avenue of the Americas, New York 10013-2412, United States of America, and its successors, assignees and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to

Routing Over Large Clouds

described in an application for Letters Patent for the United States of America,

for which an application for a United States Patent was executed on

for which an application for a United States Patent was filed on 07/06/1999 Application Number 09/345,121,

and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and the undersigned also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

The undersigned authorize AT&T Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from the undersigned, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

The undersigned hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

The undersigned request that any and all patents for said inventions be issued to AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

The undersigned agree that, when requested, the undersigned shall, without charge to AT&T Corp. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Charles Robert Kalmanek Jr.

Charles Robert Kalmanek Jr.

Date: 10 [18]99

United States of America

State of μ

) ss.:

County of Marca.

On this day of <u>1999</u> before me personally came Charles Robert Kalmanek Jr., to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

AT&T CORP.

P.O. Box 4110

Middletown, New Jersey 07748-4801

Anthony G Lauck	. Lowl
Date: october 26, 1999	·
United States of America)
State of Vermont) ss.:
State of Vermont County of Washington)
On this <u>Z</u> day of <u>Uef</u> ., <u>1999</u> Lauck, to me known to be the individual described in and and acknowledged execution of the same.	before me personally came Anthony G
<u>k UUTa</u> Notary	Y Public OYOS

AT&T CORP.

P.O. Box 4110

Middletown, New Jersey 07748-4801

) ss.:

Date: Oct 18, 1999

United States of America

State of

County of

instrument, and acknowledged execution of the same.

Notat Production and 10, 1030

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P.O. Box 4110

Middletown, New Jersey 07748-4801